PRACTICE OBSERVED

Practice Research

Detection of patients with high alcohol intake by general practitioners

A L A REID, G R WEBB, D HENNRIKUS, P P FAHEY, R W SANSON-FISHER

Abstract
General practitioners have the potential to treat patients with actool problems effectively. Despite the medical implications of actool problems effectively. Despite the medical implications of most sufficiently awar of the drinking habits of their patients. The aim of the study was to investigate the accuracy of 5c randomly chosen general practitioners in detecting which of their patients had a high alcohol intake. Altogether, 2081 patients were recruited in general practitioners' waiting rooms, where they asswered questions about their drinking habits. After the consultations general practitioners' were asked to indicate the patients levels of alcohol intake. The results showed that general practitioners correctly identified only? "The of patients are produced to the state of the produced of the produced of the produced of the produced of the patients." They correctly identified only? "The district who were classified as "moderate to heavy" drinkers, defined by they as drinkers who consume four own own standard drinks a day. These findings have important implications for clinical practice since they indicate that general practitioners are failing to perform adoquetly in an important area of preventive medicine. This insee needs to be addressed in undergraduate and postgraduate medical education.

Faculty of Medicine, University of Newcastle, New South Wales 2306, Australia

- . The study was part of a large research project undertaken by the Newcastle-Primary Care Research Group.

A curous paradox exists concerning alcoholism and the medical profession. On the one hand, there is an unsistence on the medical profession on the one hand, there is an unsistence on the medical soncept of alcoholism and the necessity to treat alcoholism as a disease like any other. Alcohol abuse is a serous health problems which can lead to a well documented partern of medical problems as well as to discuspion of psychological; social; and economic functions. General practitioners seem to agree that they have a responsibility in this matter. For example, a British study of general practitioners in the medical problems as extended to alcohol.

The general practitioner is a key person to manage problems related to alcohol.

The general practitioner can act as a case finder of people with alcohol problems. Excessive dinhers also seem to wast medical practitioners who exposule the concept of hostistic care for parameters and the problems. The problems are called to alcohol. The second problems are called to alcohol as the usual doctor of first contact in the medical system, the general practitioner on completion and the problems. The care of the parameter of the problems are called to alcohol as the sum of the problems. The care of the parameter of the problems are in a fravourable position to intervene with alcohol problems at an early stage before inversible damage occurs. and treatment becomes complicated, expensive, and largely ineffective.

When an alcohol problem has been detected a general practitioner.

When an alcohol problem has been detected a general practitioner of physical damage, assist the patients and and pumphiles, and assist with techniques for managing stress. Referral for specialist treatment, for instance to psychologists, psychiatrasts, alcohol and drug counsellors, and self help groups such as Alcoholisc Anonymous, as also possible.

alcoholics among general practice patients are recognised as such by their doctors.

Studies that have investigated general practitioners' knowledge of patients with drinking problems have generally relied on medical records' or on the practitioners' recall of the numbers of alcoholics in their practices." Such methods are notonously unreliable owing to the inadequacy of medical records' and faulty memory. A more recent attempt to gauge the accuracy of doctors in detecting patients with alcohol problems entailed a direct comparison of general practitioners' judgments about alcoholic prients with those identified as "problemly alcoholic." By the Michigan Alcoholism of the renders, of the test, when used with spental practice populations, to classify patients incorrectly as alcoholic." Difficulties in identifying alcoholics for researchs studies can be traced to problems of defination. Thus in this study it was decided to focus on the quantity of alcohol consumed by patients, assuming that excessive consumption indicates a risk to physical health. The aim of the study was to ascertina the degree to which general practitioners detect patients who consume alcohol excessively.

Method
Data for this study were collected as part of a large descriptive study to
unwestages quality of care provided by general positioners. A random
anaple of 100 general practitioners was abuted operationer. A random
which a videouspe of doctor-passient interactions was examined. The simple
of 3253 potents was recruited in the witner from of consensing general
practitioners. Patients were eligible for inclusion of they were aged 18 years
or more, could speak and read Edgalsh, were willing to have their
consultations videotospect, and were not too ill, or in too much pain, to
complete questionness.

PROCEDURE

285 mil of beter Immediately after each consultation the general practitioner completed a short questionnaire that included as item about the perceived alrohol consumption of each patient. Practitionness were asked whether the patient drank lightly, modernely, or heavily, or if they were unaware of the patient's ackholol consumption. At the completion of the research all practitioners completed a further questionnaire in which they indicated their perceiptions (light), indexines, and heavily ackholol consumption in studied dranks per displacements.

of lights, moderate, and heavy alcohol consumption in standard drinks per Migh rail drinkers among the pittents were destudied in two ways. The first method used the criteria set by the Australian Medical Association as moderative of alcohol consumption levels that are insurrous to health—that is 60 g of alcohol it day for men and 40 g a day for women. Such drinkers were potentially that the second of the second in the second of the second properties with the properties of consumption into grants of alcohol consumed per day. The general practitioners level of accuracy in detecting these high risk drinkers was jueged by comparing potents who had been destinated as work of the second properties. Second of the second properties who had been destinated as well destinated as the second properties. The second properties who had been destinated as well destinated as the second properties of the second properties of

BRITISH MEDICAL JOURNAL VOLUME 293 20 SEPTEMBER 1986

of low to medium risk drinkers, as defined by the criteria, identified correctly by the general practitioners. But risk drinkers used the alcohol consumption levels that the general practitioners perceived to reflect moderate to bear's drinking. The were not asked to indicate separate levels for men and women. The general practitioners' ability to indicate separate levels for men and women. The general practitioners' ability to indicate separate levels for men and women. The general practitioners' ability to direct moderate to beav shool consumption in their patients, using their own criterion, was then compared, and sensitivity and specificity values were determined.

Results
From the random sample of 108 general practitioners, 56, 54% agreed to
participate in the study. Of the 5253 patients approached, 2934 69% met
the critera for elaphibity, 497 declined to participate, and questionnaises
from 556 patients were not completed, leaving a sample of 2081 Of theedata from four patients were not another decause the vera anot destinide
After transforming the quantity frequency data obtained from the
potential form of the study of the study of the study of the form of the
form of the study of the study of the study of the study of the
folial Association critera. The detection by general practitioners of this
high risk group is given in their assessment of a patient as a moderate to
heavy dranker. Table I summarises the results
Sincery per cross of the general practitioners indicated at the end of the
study that four or more dranks afor constituted moderate to heavy dranking
classified at moderate to heavy dranker. Table II summarises the detection
of drankers using this definition of high risk.

TABLE 1—General practitioners' detection of drinkers at risk, as defined by the Australian Medical Association criteria

| | Cnieru | | |
|-------------------|-----------------------------|--|--|
| Detection | High risk drinker n = 40 | Low to medium risk drinker n - 203* | |
| Risk detected | 11 | 1, | |
| Risk not detected | | 1952 | |

Sensitivity # E1 40 × 100 × 27 5 Specificity × 1952 2037 × 100 × 95 8

TABLE II—General practitioners' detection of droikers at risk, as defined he the general practitioners' criterion

| | Criteri | Criterion | |
|-------------------|-------------------------------------|------------------------------------|--|
| Detection | Moderate to heavy drinkers n=168 | Light and non-drinkers n - 1911 | |
| Rask detected | 76 | 173 | |
| Risk not detected | 42 | 1746 | |

Discussion

The apparential low rate of participation by general practitioners in the study can be attributed to the potentially intrusive nature of the procedures, which included violeotaping consultations. Pre-liminary analysis of the larger study, of which this was one part, indicates that participants tended to be young and were likely to be members of the Australian Medical Association and of the Royal Australian College of General Pactitioners upophished data; which rause questions of the representativeness of the sample of general practitioners between the Australian Medical Association.

The discrepance between the Australian Medical Association of drinking confirms previous findings that what general practitioners believe are limits for safe alcohol consumption are lower than the recommended standards. Unfortunately, because the practitioners were not asked to indicate different consumption

BRITISH MEDICAL JOURNAL VOLUME 293 20 SEPTEMBER 1986 levels for men and women it is not known whether they perceive different risk levels for each sex.

The general practitioners identified correctly as moderate to heavy drinkers only 27.9% of patients who were classified as high risk drinkers using the Australian Medical Association circitanguist drinkers with high levels of alcohol consumption are probably a relatively small proportion of the general practice population. The high specificity value of 95.8% therefore is especied. In addition, general practitioners is denified only 45.7% of patients who drinks at levels which the doctors considered to be moderate to heavy dinking—the state of the drinks of the state of the sta

general practitioners with such patients," this is unfortunate. The reasons for the low level of detection need to be examined and the subject dealt with in undergraduate and posigraduate medical education. Emphasis must be given to the responsibility of general practitioners in detecting, treating, and referring patients with alcohol problems.

- References

 Might HIM. Hidden between to the diagonal and intensive of abritation and when about a finite process of a strength of the control of the contro

Essays on Practice

Quality in general practice: case for the consumer

D P KERNICK

In the British system of general practice patients are free to choose between equal general practitioners who act with minimum regulations and with clinical and organisational freedom. In common with other professions they are able to determine the nature and extent of their work, existable the content and requirements of training, and organise the delivery of primary care.

Since the GPT-Charter in 1985 general practice has had over 20

St Thomas Medical Group, St Thomas Health Centre, Exeter EX4 1HJ D P KERNICK, BM . MB, general practitioner

years of ideal conditions in which to flourish: a monopoly position, a largely open ended budget, and independence to offer services. What has evolved, however, is a patchy, uninegrated, arbitrary, and often ineffective system of care, where financial incentive often loosely determines what is offered. This system has done little to narrow the division between morbidity and social class and in general provides the worst services in the areas of greatest need. Contraception, materially care, developmental assessment, metalized and of the contraction of the contraction of provides are medicine—the correstroses of primary care.

In the classical model of British general practice the consumers have freedom of choice. Doctors who provide good services attract patients and thus income from doctors who do not. In many countries there is direct competition not only among general practitioners but also with hospital specialists. In British however, for many patients choice is limited by geographical constraints. For many patients choice is limited by geographical constraints. For many patients choice is limited by geographical constraints. In ganary area is difficult to register with a doctor, and doctors are often reluctant to accept patients who are registered with college of General Practitioners highlighted these difficulties and also reported that there was discrimed. A recent survey by the Royal College of General Practitioners highlighted these difficulties and also reported that there was discrimed. A recent survey by the Royal College of General Practitioners highlighted these difficulties and also reported that there was discrimed. A recent survey in the waste discrimination against groups such as deserved who are chromatolly ill. Furthermore, many community who want to hange their doctor. The lack of information about the services and facilities offered by a practice also operates against consumer choice, though pressures from outside general practice are forcing changes in the restrictive and insular traditions of the profession. Thus, although the argument of consumer selection may be sound, in practice there is little direct competition between discorn, and they will not automatically lose patients of they provide account of the provides of the provid

no stiff, nearly two furths of deciron had no ophthalmoscope, just over half had a vaginal speculium, and one doctor had no sphygmonnanometer.

A report from the Royal College of General Practitioners on a survey of the care of common conditions highlighted "japs in clinical knowledge" and reported that some general practitioners provided answers that "suggested defective knowledge." In the treatment hypotentistion, for instance, lack of follow up has been tennent to the properties of the stance, lack follow up has been confirmed in several studies.

Perhaps the most relevant and unequivocal area of assessment is direct consumer review. In a study of terminal care in Sheffield Wilkes found that 37% or felatives were critical of general practicitioners and 16% resemful because visits were or grudging or rare. In a review of a highly selected group of general practitioners and 16% resemful because visits were significant to the advictor for the authors felt that this was a "disquieting and major criticism of general practice."

Furthermore, general practice has changed from a disease oriented discipline to one that takes in other aspects of care, including social and psychological, in which actificately health care workers are concerned. General practitioners are becoming part of a tender of the practition.

BRITISH MEDICAL JOURNAL VOLUME 293 20 SEPTEMBER 1986

Clearly, a dual system of care has evolved within the National Health Service. On the one hand, standards of care are high and generally progressive. On the other, a restricted range of services and clinical standards is offered, mainly in areas where need is

and clinical standards is offered, mainly in areas where need is greatest.

Most practitioners do not accept this thesis, although the Roval College of General Practitioners accepts the need for change and has proposed a doctor oriented package of training, self assessment, and financial incentive. The college also emphasises that change should make the contract of the contract o

Conchusion

In every profession there is a difficult balance between the rights of the consumer and the interests of its members. In general practice a dual system of care has evolved which is unacceptable in a national appreciable change will not energy from 3000 independent contractors. Most proposals to date offer financial incentive to improve practice, but this approach is typically doors centred and agnores the more urgent needs of the consumer.

A consideration of other structures is beyond the scope of this paser, but perhaps a more realistic and accountable system would primary health care system. The framework in which the doctor worked would be laid down by the family practitioner committee, working closely with the district health authority. The contract, possibly renewable, would include minimum standards of practice and premise and specify the services to be offered, which may vary continue the proposed of the premise procession and the unacceptable status of a salared employee and ensure a more accountable and uniform level of practice without detrument to the areas where standards are already high.

- References

 Either A German provide distinct—provincia uses Metal Franci 194.4 11.

 Herbi MCD, Sent PA. The general provincia of the care con 1 surface of a London March.

 Herbi MCD, Sent PA. The general provincian of the care con 1 surface of a London March.

 Herbi College of General Photocomer. College of the College of the College of Sent College of Colle

- 1944.36 '115.
 1944.36 '115.
 195. Percentes of State for Government Services, Wales, Northern Ireland and Scotland. Primary health care an agenda for discussion. London: HMSD:1986. (mmd 97).